



Engineering Group of the Geological Society



Engineering Group of the Geological Society/IGS joint meeting

Tuesday 8th December 2009
Geological Society, Burlington House, London
5.00pm for 5.30pm

IGS AGM followed by
BASALLY REINFORCED PLATFORMS FOR PILED EMBANKMENTS
DUTCH AND U.K. CASE STUDIES

Hartmut Hangen & Martin Curd
(Huesker GmbH & Scott Wilson)

The presentation will look at the benefits of using a basally geosynthetic reinforced platform over alternative solutions and the general mechanisms involved. The British Standard Code of Practice will be assessed, including the use of reinforcement strain limited design, in relation to the construction of shallow and high embankments.

Construction processes, including anchor length detailing, fill specifications and geogrid placement will be discussed. The relationship between pile spacing and embankment height and how U.K., German and Dutch guidelines each approach this aspect will also be discussed. Performance data, including real time measurement and monitoring from the case studies will be included.

Hartmut Hangen is a civil engineer active in the field of geotechnics for 11 years. His scope of work as application engineer for the German manufacturer, Huesker Synthetic, includes a variety of services related to the design and technical matters of geosynthetic products, as well as their practical application on site. At present, his work is focused on reinforcement applications including embankment foundations, void spanning and steep slopes, especially where on-site monitoring and product development is gaining more and more importance.

Martin Curd is a geotechnical engineer working for Scott Wilson who has almost 10 years experience in geotechnical consultancy. He has also worked for Gifford and Partners. Martin's first degree is in Geology and he is also holds a Masters Degree in Geotechnical Engineering.

Refreshments will be served in the lower library from 5.00pm.

There is no charge for the meeting however please register your interest by emailing the convenor. Any queries may also be addressed to the convenor.

Convenor : Alex Kidd, Highways Agency, Woodlands, Manton Lane, Bedford. MK41 7LW.
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